

FIG. 1

CAATTCGGAG CAAATTATTCG AACATTAAGC AGATTAAGCA ATTTCAGTAC TTGCCCCAAC	60
CAACACACACA CACAGCCCCG CCAATTAAGC ACTAAAAAGCG AGACTCAATC CAAAGAAATCA	120
CCAAACAAAGA CAACTAAATCAA C AGC CAT TCC ATT AAA TGT TTA TTA AGA GCA Met Ile Thr Ile Lys Cys Leu Leu Thr Ala	171
1 5 10	
TTC ATT TCC TTC AGC GTC ATC GTC CAC GTT CAC AGT TCC CCC AGC TTT Phe Ile Cys Phe Thr Val Ile Val Val Ile Ser Ser Gly Ser Phe 15 20 25	219
CAG TTG CGC CTC AAC TAC TTC AGC AAC CAT CAC CCC CGG GAC AAC GAC Glu Leu Arg Leu Lys Tyr Phe Ser Asn Asp Ile Gly Arg Asp Asn Glu	267
30 35 40	
CGT CGC TCC TCC AGC CCC CAG TCC GAC CGA CGG AGC CCC AAC TGC CTC Gly Arg Cys Cys Ser Gly Glu Ser Asp Gly Ala Thr Gly Lys Cys Leu	315
45 50 55	
CCC AGC TCC AAC AGC CCC ATT CGC GTC TCC CTA AAC CAC TAC AAC CCC Gly Ser Cys Lys Thr Arg Phe Arg Val Cys Leu Lys Ile Tyr Glu Ala	363
60 65 70	
AGC ATC GAC AGC ACC TCC CAG TCC AGC TAC CCC GAC GTC ATC AGC CCC Thr Ile Asp Thr Ser Glu Cys Thr Tyr Gly Asp Val Ile Thr Pro	411
75 80 85 90	
ATT CTC CGC CAG AAC TCC GTC ATT CTC AGC AAC CCC CAG CCC TTC CAC Ile Leu Gly Glu Asn Ser Val Asn Leu Thr Asp Ala Glu Arg Phe Glu	459
95 100 105	
AAC AAC CCC TTC AGC ATT CCC ATC CAG TTC CCC TTC TCC TCA TCC Asn Lys Gly Phe Thr Asn Pro Ile Glu Phe Pro Thr Ser Asp Trp	507
110 115 120	
CCG CCT ACC TTC TCC CTG ATC GTC GAC CCC TCC CAT GAT AGC AAC ATT Pro Gly Thr Phe Ser Leu Ile Val Glu Ala Thr Ile Asp Thr Asn Asp	555
125 130 135	
AGC CGC ATT CGG CGA AGC AAC AAC CTC CTC ATC CAG CGA CTC TTC GTG Ser Gly Asn Ala Arg Thr Asn Lys Leu Leu Ile Glu Arg Leu Leu Val	603
140 145 150	
CAG CAG CTA CTC CAG GTG TCC TCC CAA TCC AAC AGC AAC AAC AAC TCC CAA Gln Gln Val Leu Glu Val Ser Ser Glu Thr Lys Thr Asn Lys Ser Glu	651
155 160 165 170	
TCC CAG TAC AGC TCC CTC CAG TAC CAT TTC CGT CTC AGC TCC GAT CTC Ser Gln Tyr Thr Ser Leu Glu Tyr Asp Phe Arg Val Thr Cys Asp Leu	699
175 180 185	
AAC TAC TAC GGA TCC CCC TGT CCC AAC TTC TCC CGG CCC CCC GAC GAT Asn Tyr Cys Ser Gly Cys Ala Lys Phe Cys Asp Pro Arg Asp Asp	747
190 195 200	
TCA TTT CGA CAC TCG ACT TCC TCC GAG AAC CCC CAA ATT ATC TGT TTC Ser Phe Gly Ile Ser Thr Cys Ser Glu Thr Gly Glu Ile Ile Cys Leu	795
205 210 215	
AGC CGA TCC CAG CCC GAT TAC TGT CAC ATT CCC AAC AAC TCC CCC AAC CCC Thr Gly Thr Glu Gly Asp Tyr Cys Ile Pro Lys Cys Ala Lys Gly	843
220 225 230	
TGT CGA CAT CGA CAT TCC GAC AAC CCC AAC CAA TCC GTT TCC CAA CTG Cys Glu Ile Gly Ile Cys Asp Lys Pro Asn Glu Cys Val Cys Glu Leu	891
235 240 245 250	

## FIG. 1 CONT'D.

GGC TCC AAC GCA CCC TTC TCC AAC GAC TCC CTT CTC GAA CCC AAC TCC Gly Trp Lys Gly Ala Leu Cys Alan Glu Cys Val Leu Glu Pro Alan Cys 255 260 265	939
ATC CAT CCC AAC TCC AAC AAA CCC TCC ACT TCC ATC TCC AAC GAG CCT Ile His Gly Thr Cys Alan Lys Pro Thr Cys Ile Cys Alan Glu Gly 270 275 280	987
TGG GCA CCC TTC TAC TCC AAC GAC CAT CTC AAC TAC TCC AAC AAC GAC Trp. Gly Leu. Tyr Cys Alan. Glu Alan. Leu. Alan. Tyr Cys. Thr. Alan. Ile. 285 290 295	1035
AGA CCC TCC AAC ATT GGC GCA ACC TCC TTC AAC ACC GGC GAG GCA TTC Arg Pro Cys Lys Alan Gly Gly Thr Cys Thr Alan. Thr Gly Glu Gly Leu 300 305 310	1083
TAC ACA TCC AAA TCC CCT CCA CCA TAC ACT CCT CAT CAT TCC GAA ATT Tyr Thr Cys Lys Cys Ala Pro Gly Tyr Ser Gly Asp Asp Cys Glu Alan 315 320 325 330	1131
GAG ATC TAC TCC TCC CAT CCC CAT CTC ATT CCC TCC AAC ATT CCT CCT Glu. Ile. Tyr. Ser. Cys. Asp. Ala. Asp. Val. Alan. Pro. Cys. Glu. Alan. Gly. Gly. 335 340 345	1179
ACC TCC ATC CAT GAC CCC AAC AAC AAA ACC CCC TAC AAC TGT CAT TCC Thr Cys Ile Asp Glu Pro Ile Thr Lys Thr Gly Tyr Lys Cys Ile Cys 350 355 360	1227
CCC AAC CCC TCC AGC GCA AAC ATC TCC GAC GAG AAA CTC CTC AAC TGT Ala Alan Gly Trp Ser Gly Lys Met Cys Glu Glu Lys Val Leu Thr Cys 365 370 375	1275
TCG GAC AAA CCC TGT CAT CAG GCA ATC TCC CCC AAC ATT CCT CCT CCC Ser Asp Lys Pro Cys Ile Glu Gly Ile Cys Arg Alan Val Arg Pro Gly 380 385 390	1323
TTC GCA AGC AAC CCT CAG CCC TAC CAG TCC GAA TGT CCC ATT CCC TAC Leu Gly Ser Lys Gly Glu Gly Tyr Glu Cys Glu Cys Pro Ile Gly Tyr 395 400 405 410	1371
AGC GCA CCC AAC TGC CAT CTC CAG CTC AAC AAC TGC ACT CCC ATT CCT Ser Gly Pro Alan Cys Asp Leu Glu Leu Asp Alan Cys Ser Pro Alan Pro 415 420 425	1419
TCC ATT AAC GGT GCA AGC TGT CAG CCC AGC GCA AAC TGT ATT TCC CCT Cys Ile Alan Gly Ser Cys Glu Pro Ser Gly Lys Cys Ile Cys Pro 430 435 440	1467
GGC GCA ATT TCC GCA AAC AAC TCC GAG AAC AAC ATT GAC CAT TGT CCT Ala Gly Thr Ser Gly Thr Arg Cys Glu Thr Alan Ile Asp Asp Cys Leu 445 450 455	1515
GGC CAC CAG TCC GAG AAC GCA CCC AAC TCC ATT CAT ATT GTC AAC CAA Gly His Glu Cys Glu Alan Gly Thr Cys Ile Asp Met Val Alan Glu 460 465 470	1563
ATT CCC TCC CAA TCC ATT CCC CCT TTC CAT GGC AAC CAC TGT ACT AAC Tyr Arg Cys Glu Cys Val Pro Gly Ile His Gly Thr His Cys Ser Ser 475 480 485 490	1611
AAA CCT GAC TTC TCC CTC ATC AAC CCC TGT CCT CCC ATT GCA GCA AAC TCC Lys Val Asp Leu Cys Leu Ile Arg Pro Cys Ala Alan Gly Gly Thr Cys 495 500 505	1659
TTC ATT CTC AAC AAC CAT TAC CAG TCC AAC TGT CCT CCC GCA ATT ACT Leu Alan Leu Alan Asp Tyr Glu Cys Thr Cys Arg Ala Gly Thr Thr 510 515 520	1707

## FIG. 1 CONT'D.

GGC AAC GAT TCC TCT GTC GAC ATC CAT CAC TCC ACC AGT GGA CCC TGT Gly Lys Asp Cys Ser Val Asp Ile Asp Glu Cys Ser Ser Gly Pro Cys 525 530 535	1755
CAT AAC CCC CCC ACT TCC ATC AAC CCC GTC ATT TCG TTC CAA TCC GTG Ile Asn Gly Gly Thr Cys Met Asn Arg Val Asn Ser Thr Glu Cys Val 540 545 550	1803
TCT CCC ATT CCT TTC AGC GGC AAC CAC TCC CAT CAC CAC TCC TAC CAT Cys Ala Asn Gly Thr Arg Glu Lys Glu Cys Asp Glu Ser Tyr Asp 555 560 565 570	1851
TCC CTG ACC TTC GAT CCC CAC CAA TAT GCA CCC ACC ACA CAA GCG AGC Ser Val Thr Phe Asp Ala Ile Gln Tyr Gly Ala Thr Thr Gln Ala Arg 575 580 585	1899
GGC GAT GCT TTG ACC ATT CCC CAG CTA GTC CTA ATT CCT GTT TTC TCC Ala Asp Gly Leu Thr Asn Ala Gln Val Val Leu Ile Ala Val Phe Ser 590 595 600	1947
GTT CCC ATG CCT TTG GTC GCG GTT ATT CCC CCC TCC GTC GTC CTC TTC TCC Val Ala Met Pro Leu Val Ala Val Ile Ala Ala Cys Val Val Phe Cys 605 610 615	1995
ATC AAC CCC AAC CCT AAC CCT CAC GAA AAC CAC CAC CCC GAC CCC Met Lys Arg Lys Arg Lys Arg Ala Gln Glu Lys Asp Asp Ala Glu Ala 620 625 630	2043
AGG AAC CAC AAC GAA CAG ATT CCC GTC CCC ACA ATC CAT CAC ATT CCC Arg Lys Gln Asn Glu Glu Asn Ala Val Ala Thr Met His Ile Asn Gly 635 640 645 650	2091
AGT CCC GTC CCT CTA CCT TTG CCT TCA CCC TCT CTC CCC CCC AAA ACT Ser Gly Val Gly Val Ala Leu Ala Ser Ala Ser Leu Gly Gly Lys Thr 655 660 665	2139
GGC AAC AAC AAC CCT CTC ACC TTC GAT CCC CCC AAC CCC ATT ATC ATC Gly Ser Asn Ser Gly Leu Thr Phe Asp Gly Gly Asn Pro Asn Ile Ile 670 675 680	2187
AAA AAC ACC TCC GAC AAC TCC GTC AAC AAC ATT TCT GCC TCA CCA CCA Lys Asn Thr Tyr Asp Lys Ser Val Asn Asn Ile Cys Ala Ser Ala Ala 695 690 695	2235
GCA CCC CCC CCC GCA CCA CCC CCC GAC GAC TGT CTC ATG TAC GGC Ala Ala Ala Ala Ala Ala Ala Ala Asp Glu Cys Leu-His Tyr Gly 700 705 710	2283
GGG TAT CTG CCC TCC GTC CCC GAT AAC AAC ATT CCC AAC TCA CAC TTT Gly Tyr Val Ala Ser Val Ala Asp Asn Asn Ala Asn Ser Asp Phe 715 720 725 730	2331
TCT GTC CCT CCC CTA CAA AGA CCC AAC TCC CAA AAC CAA CTC AAC ACC Cys Val Ala Pro Leu Gln Arg Ala Lys Ser Gln Lys Gln Leu Asn Thr 735 740 745	2379
CAT CCC ACC CTC ATG CAC CCC GGT TCC CCG CCA CCC AGC TCA GCC AAC Asp Pro Thr Leu Met His Arg Gly Ser Pro Ala Gly Ser Ser Ala Lys 750 755 760	2421
GCA CCC TCT CCC CCA CCC CCC CCC CCC GAC GAC CCC AAC AAC ATC TCT Gly Ala Ser Gly Gly Pro Gly Ala Ala Glu Gly Lys Arg Ile Ser 765 770 775	2475
CTT TTA CCC CAC CCT TCC TAC TGT AGC CAC CGT TGG CCC TCC TTG CCC Val Leu Cys Glu Cys Ser Tyr Cys Ser Gln Arg Tyr Pro Ser Leu Ala 780 785 790	2523

## FIG. 1 CONT'D.

CCC CCC CGA GIG CCC CGA CCC TGT TCA TCC CAG CTA ATG CCT CGA CCT 2571  
 Ala Ala Gly Val Ala Gly Ala Cys Ser Ser Gln Leu Met Ala Ala Ala  
 795 800 805 810

TCG CGA CGC CGC AGC CGA CGC CGC AGC CGC CGA CGA CGA TCC GTC 2619  
 Ser Ala Ala Gly Ser Gly Ala Gly Thr Ala Glu Glu Glu Arg Ser Val
 815 820 825

GTC TCC CGC ACT CCC CAT ATG TAACTCCAAA AAACTCCCCAAC CCCCTCCCTCT 2670  
 Val Cys Gly Thr Pro His Met
 830

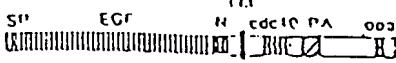
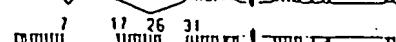
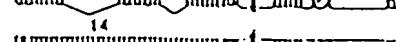
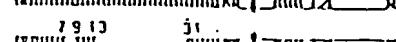
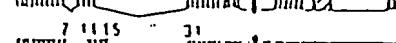
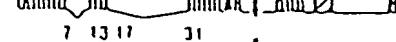
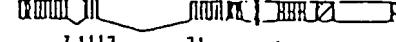
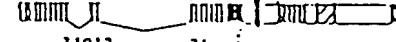
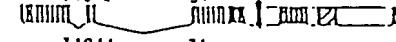
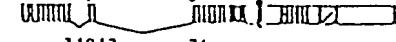
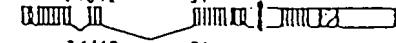
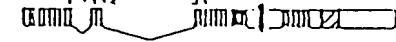
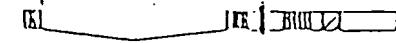
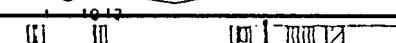
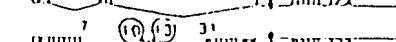
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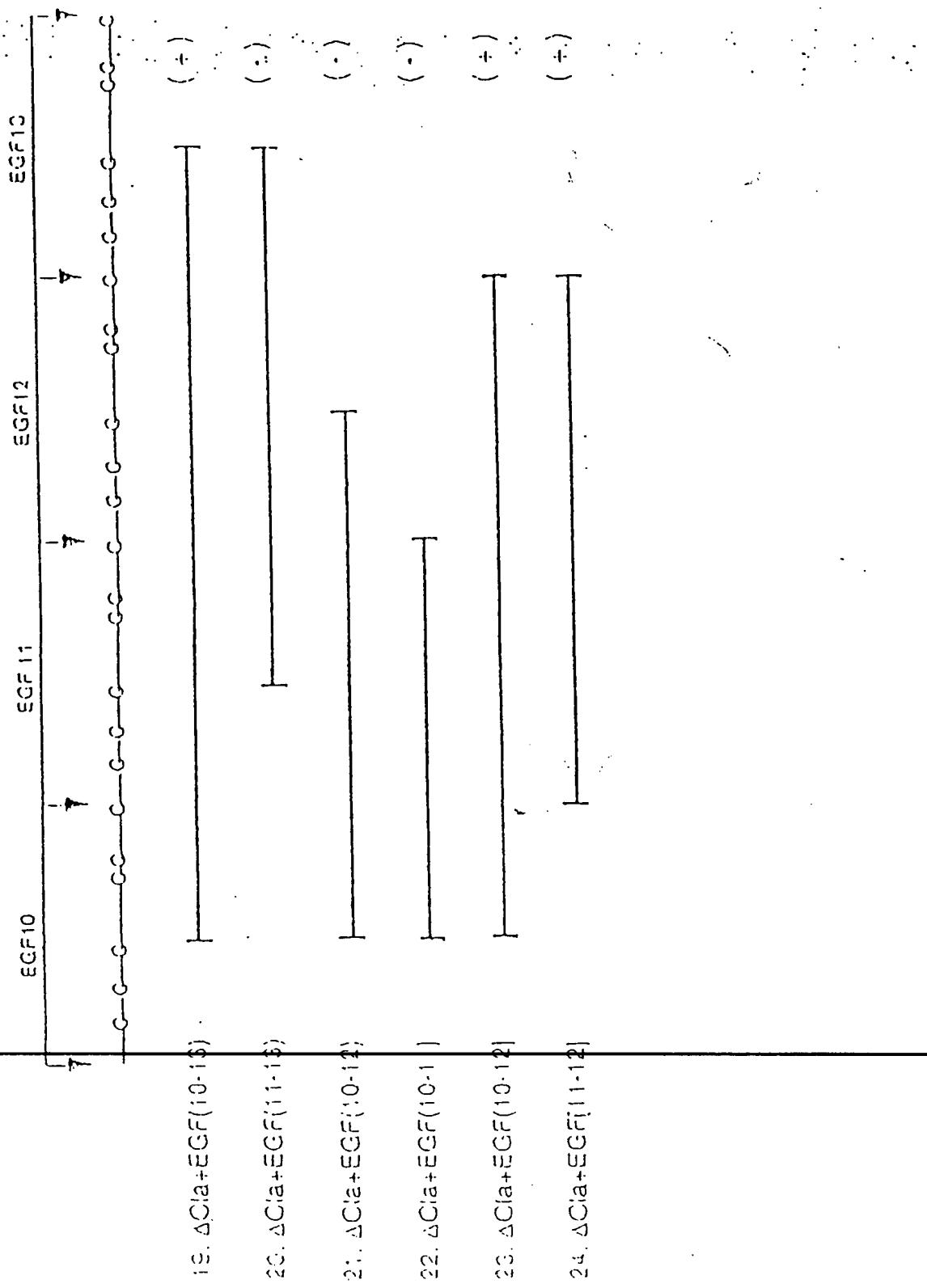
FIG. 2

		% Aggregation with D1 with Ser	
1. pMINMg		40	21
2. ΔSph		0	nt
3. ΔClα		0	nt
4. ΔEGF(7-17)		0	nt
5. ΔEGF(9-26)		0	nt
6. ΔEGF(17-30)		22	nt
7. ΔEGF(7-9)		20	14
8. ΔEGF(9-17)		0	0
9. ΔEGF(17-26)		10	8
10. ΔEGF(26-30)		5	7
11. ΔEGF(9-30)		0	nt
12. ΔEGF(7-26)		0	nt
13. ΔClα+EGF(9-17)		35	20
14. ΔClα+EGF(17-26)		0	nt
15. split		42	nt
16. ΔClα+EGF(9-13)		47	25
17. ΔClα+EGF(11-15)		0	0
18. ΔClα+EGF(13-17)		0	nt
19. ΔClα+EGF(10-13)		56	23
20. ΔClα+EGF(11-13)		0	nt
21. ΔClα+EGF(10-12)		0	nt
22. ΔClα+EGF(10-11)		0	nt
23. ΔClα+EGF(10-12)		45	nt
24. ΔClα+EGF(11-12)		11	nt
25. ΔEGF		0	nt
26. ΔEGF+EGF(9-17)		24	nt
27. ΔEGF+EGF(9-13)		40	nt
28. ΔEGF+EGF(10-13)		45	23
29. ΔEGF+EGF(10-12)		48	nt
30. ΔECN		0	nt
31. ΔECN+EGF(10-13)		26	nt
32. ΔECN+EGF(10-12)		47	22
33. ΔClα+XEGF(10-13)		42	20

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FIG. 3



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FIG. 4

EGF 12  
EGF 11  
EGF 10  
EGF 9  
EGF 8  
EGF 7  
EGF 6  
EGF 5  
EGF 4  
EGF 3  
EGF 2  
EGF 1

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FIG. 5

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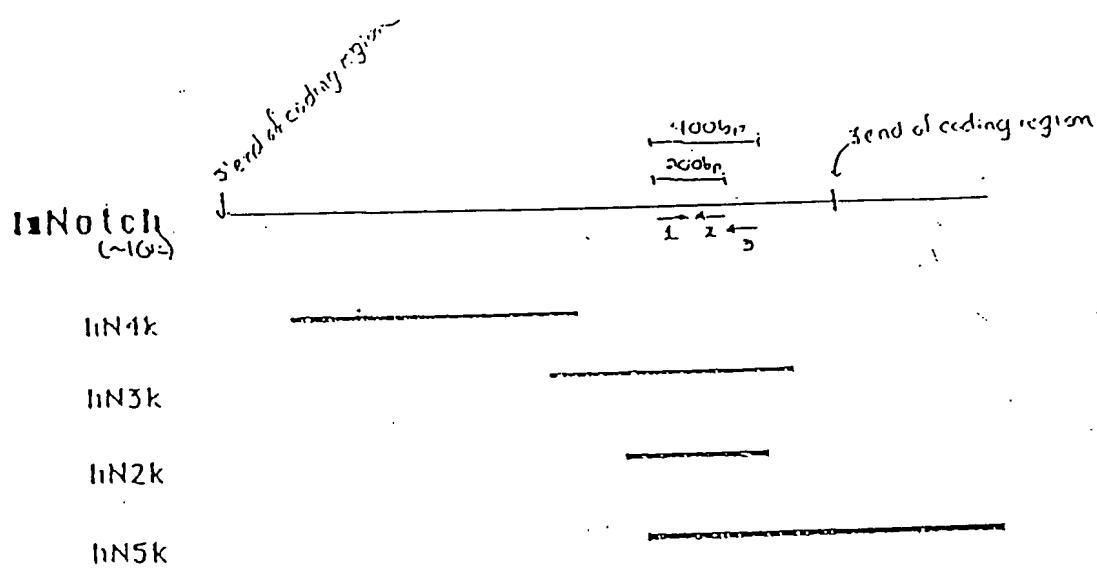
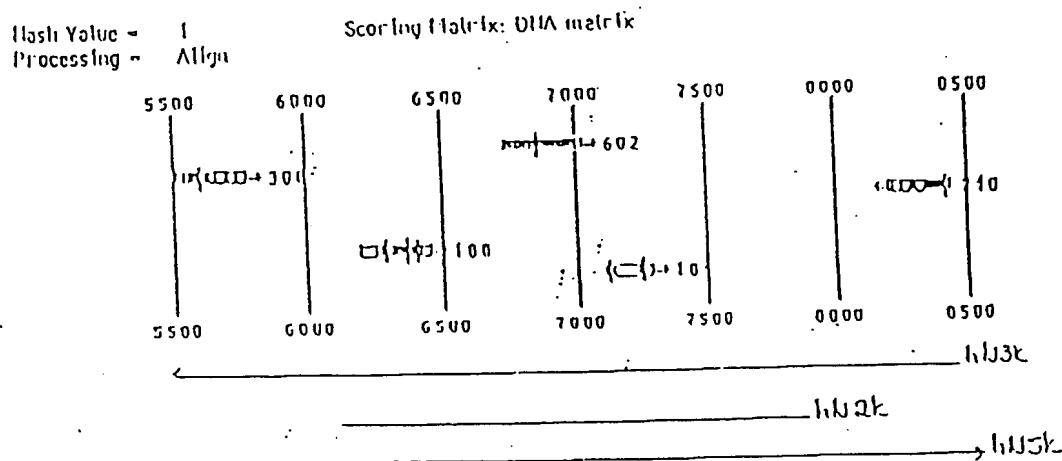
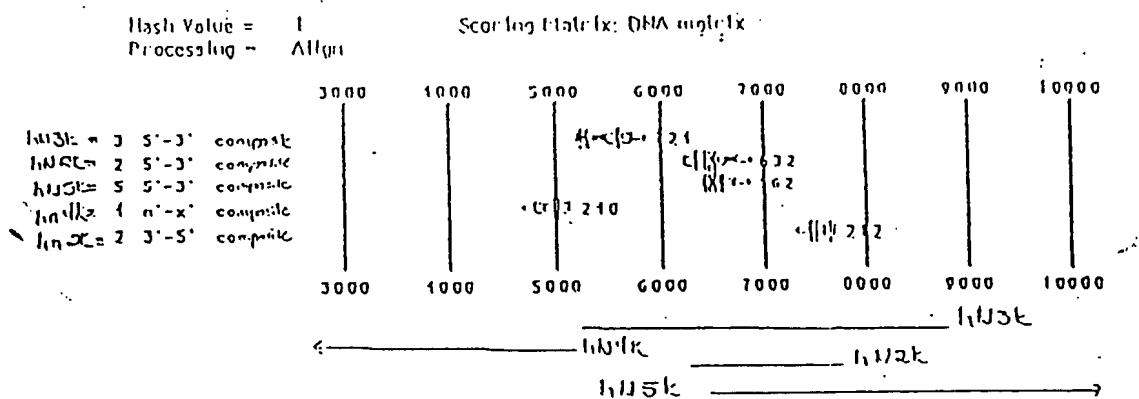


FIG. 6

FIG. 7



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## FIG. 8 A-C

A.

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1 GAAATCCCGCT GGGAGGAAATGG TCTGAGCTAC CTGCCCCGTC C TGCTGGGGCA TCAATGGCA
61 GGGGGGAAAG CCGRCAGTGGG CAAACGGGCGC AGGGCAATTG TGCAATGATGG TACATGGTCA
121 GCGGGGGGGCC CGCRACAGCT GCGGGGGCAGG TGGACTGAGG CTGGGGGATCC CCCGCTGGTT
181 GGGCAATGCT GCGTTTACCC ATGAGCTGGG AGCTCACTAT GGGGGGGCAGG GGCTCCCCAG
241 GGAGGTTATG TGCTTCCTTC AGGTGGC

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B.

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1 GAAATCCCTC CATTATACGT GACTTTTCAG AAGCTGTAAC CACCCCTAGTG TCTCTTACAC
61 CCTCTGGAGT TTGTCAGCTT TGGCTTTTC AAGGAGGAGG CTCTCTTCAG GCTCTTAAAT
121 GCGGGGCATGC TCCAGTTGG TCTGCGTCCTC AAGATCACCT TTGGTAAATTG ATTCCTTCTC
181 AAGCCGGGAAAC TCGAGGCTGG CTCCTCACCT CTAGGGCAGAG CAGGAAATCC GAGGTGGATG
241 TGTAGATGT GAAATGTCGT GGECCERGATG GCTGCAACCC ATGAGATGTTG GCTCTCTCC
301 GAGGGGGCAG CTCAGATTG AGTCATCAAG ATGAGATGTC AGAGGACTGT TCTGCTTACA
361 TCAATCACAGA CTTGGCTTC CAGGGGTGCCA GCCTCAGAC CAGACAGAGCC GGACTGCTGA
421 GATGGCCCTG CACCTTGCGA CCGGCTTCCTC AGGGGCTGAT GCTGCAACAGC GTCCTCTGGA
481 TGCAGGGTGA GATGCAATG CCGAGGACAA ATGGGGCCGC TGCTCACTCC ATGCTGCAATG
541 GCGACGCTGAT GCGAGGCTCT ATTCAAGATCT GTTA

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C.

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1 TCCAGGTTCT GATTGGCAGC CGAGCTAACTG ATCTAGATGC CAGGGATGAAAT GATGGTACTA
61 CACCCCTGAT CCTGGCTGCC CGGCTGGCTG TGGAGGGAAAT GGTGGCGAGA CTGATCACT
121 GCGCAGGCGGA TGTCAATGCA GIGGGATGAGC ATGGGAAATC TCTCTTCAAC TGGGGCGCTG
181 CAGGAGGAGGAA TGTGGGGGCA ACCTTTTCTC TCTTCAGAAA TGGGGGAAAC CGGGAGTGC
241 AGGAGGACAA CGAGGAGGAGA CCTCTGTTTC TTGCTGGCCCG GGAGGAGCTA TAAAGC

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FIG. 9 A-B

A.

1 GATTCCTT CAGGGGAAAG CGGTGGGGAG AGTACGAGGC ACCCACTTTC CGGTGGCTGA  
 61 ACTCGTCCCC AGGTGGCTCC ACCGGCAAGCT GTGACCGCCG CAGGTGGGGA CGAGTGCCCA  
 121 TTCAAGAAAT TCCAGAANAG CCCTTACCCCA ACTCGGACGG CAGCTCAAC CCCCTGGCTA  
 181 GCAACTGGCA CACAAACAGC CAGCGTGTCT GGGGCGCGGG CGGTGGCAC CCCCTCCAGG  
 241 CAGRGCTG

B.

1 CTAAAGGGAA CAAAGGCGAGG AGCTCCACCG CGGGCGGCAC AGCTCTAGAA CTAGTGGAAH  
 61 HCCCGGGCTG CAGGAATTCC GGCGGACTGG CCTCGGGCTC AGAGGGCCGC TGTDGAGAG  
 121 ATTCTAGACC CGGAGAACAA GCGGATGGCT GACAGCTGGC CTCCTAGTC ACCAGGCTCA  
 181 ATTCGCTCGC CCTCGACATC GAGGGATGCA GAGGATCAGA ACCGGTACCT GGATGGCAATG  
 241 ACTCGGATTT ACAGAGATCA CCAGGCTGCT TACAGGGAGC GTGAGHHTTTT CACATGGAGT  
 301 CGACAGACAC GAGCTCTATG CAT

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FIG. 10

10	20	30	40	
TGC CAG GAG GAC GCG GGC AAC AAC GTC TGC AGC CTG CAG TGC AAC AAC				
C Q E D A G N K V C S L Q C N N>				
50	60	70	80	90
CAC GCG TGC GGC TGG GAC GGC GGT GAC TGC TCC CTC AAC TTC ATT GAC				
H A C G W D G G D C S L N F N D>				
100	110	120	130	140
CCC TGG AAC AAC TGC ACG CAG TCT CTG CAG TGC TGG AAC TAC TTC AGT				
P W K N C T Q S L Q C W K Y F S>				
150	160	170	180	190
GAC GGC CAC TGT GAC AGC CAG TGC AAC TCA GCC GGC TGC CTC TTC GAC				
D G H C D S Q C N S A G C L F D>				
200	210	220	230	240
GGC TTT GAC TGC CAG CGT GCG GAA GGC CAG TGC AAC CCC CTG TAC GAC				
G F D C Q R A E G Q C N P L Y D>				
250	260	270	280	
CAG TAC TGC AAC GAC CAC TTC AGC GAC GGG CAC TGC GAC CAG GGC TGC				
Q Y C K D H F S D G H C D Q G C>				
290	300	310	320	330
AAC AGC GCG GAG TGC GAG TGG GAC GGG CTG GAC TGT GCG GAG CAT GTA				
N S A E C E W D G L D C A E H V>				
340	350	360	370	380
CCC GAG AGG CTG GCG GCC GGC ACG CTG GTG GTG GTG CTG ATG CCG				
P E R L A A G T L V V V V L M P>				
390	400	410	420	430
CCG GAG CAG CTG CGC AAC AGC TCC TTC CAC TTC CTG CGG GAG CTC AGC				
P E Q L R N S S F H F L R E L S>				
440	450	460	470	480
CCG GTG CTG CAC ACC AAC GTG GTC TTC AAC CGT GAC GCA CAC GGC CAG				
R V L H T N V V F K R D A H G Q>				
490	500	510	520	
CAG ATG ATC TTC CCC TAC TAC GGC CGC GAG GAC GAG CAG CTG CCC AAC CAC				
Q M I F P Y Y G R E E E L R K I>				
530	540	550	560	570
CCC ATC AAC CGT GCC GCG GAG GGC TGG GCC GCA CCT GAC GCC CTG CTG				
P I K R A A E G W A A P D A L I>				

## FIG. 10 CONT'D

580            590            600            610            620  
 GGC CAG GTG AAG GCC TCG CTG CTC CCT GGT GGC AGC GAG GGT GGG CGG  
 G Q V K A S L L P G G S E G G R>  
 630            640            650            660            670  
 CGG CGG AGG GAG CTG GAG CCC ATG GAC GTC CGC GGC TCC ATC GTC TAC  
 R R R E L D P M D V R G S I V Y>  
 680            690            700            710            720  
 CTG GAG ATT GAC AAC CGG CAG TGT GTG CAG GCC TCC TCG CAG TGC TTC  
 L E I D N R Q C V Q A S S Q C F>  
 730            740            750            760  
 CAG AGT GCC ACC GAC GTG GCC GCA TTC CTG GGA GCG CTC GCC TCG CTG  
 Q S A T D V A A F L G A L A S L>  
 770            780            790            800            810  
 GGC AGC CTC AAC ATC CCC TAC AAG ATC GAG GCC GTG CAG AGT GAG ACC  
 G S L N I P Y K I E A V Q S E T>  
 820            830            840            850            860  
 GTG GAG CCG CCC CCG CCG GCG CAG CTG CAC TTC ATG TAC GTG GCG GCG  
 V E P P F P A Q L H F M Y V A A>  
 870            880            890            900            910  
 GCC GCC TTT GTG CTT CTG TTC TTC GTG GGC TGC GGG GTG CTG CTG TCC  
 A A F V L L F F V G C G V L L S>  
 920            930            940            950            960  
 CGC AAG CGC CGG CGG CAG CAT GGC CAG CTC TGG TTC CCT GAG GGC TTC  
 R K R R R Q H G Q L W F P E G F>  
 970            980            990            1000  
 AAG GTG TCT GAG GCC AGC AAG AAG AAG CGG CGG GAG CCC CTC GGC GAG  
 K V S E A S K K K R R E P L G E>  
 1010           1020           1030           1040           1050  
 GAC TCC GTG GGC CTC AAG CCC CTG AAG AAC GCT TCA GAC GGT GCC CTC  
 D S V G L K P L K N A S D G A L>  
 1060           1070           1080           1090           1100  
 ATG GAC GAC AAC CAG ATT GAG TGG GGG GAC GAG GAC CTG GAG ACC AAG  
 M D D N Q N E W G D E D L E I K>  
 1110           1120           1130           1140           1150  
 AAG TTC CGG TTC GAG GAG CCC GTG GTT CTG CCT GAC CTG GAC GAC CAG  
 K F R F E E P V V L P D L D D Q>  
 1160           1170           1180           1190           1200

## FIG. 10 CONT'D

ACA GAC CAC CGG CAG TGG ACT CAG CAG CAC CTG GAT GCC GCT GAC CTC  
 T D H R Q W T Q O O H L D A A D L>  
 1210 1220 1230 1240  
 CGC ATG TCT GCC ATG GCC CCC ACA CCG CCC CAG GGT GAG GTT GAC GCC  
 R M S A M A P T P P Q G E V D A>  
 1250 1260 1270 1280 1290  
 GAC TGC ATG GAC GTC AAT GTC CGC GGG CCT GAT GGC TTC ACC CCG CTC  
 D C M D V N V R G P D G F T P L>  
 1300 1310 1320 1330 1340  
 ATG ATC GCC TCC TGC AGC GGG GGC GGC CTG GAG ACG GGC AAC AGC GAG  
 M I A S C S G G G L E T G N S E>  
 1350 1360 1370 1380 1390  
 GAA GAG GAG GAC GCG CCG GCC GTC ATC TCC GAC TTC ATC TAC CAG GGC  
 E E E D A P A V I S D F I Y Q G>  
 1400 1410 1420 1430 1440  
 GCC AGC CTG CAC AAC CAG ACA GAC CGC ACG GGC GAG ACC ACC GCC TTG CAC  
 A S L H N Q T D R T G E T A L I D>  
 1450 1460 1470 1480  
 CTG GCC CGC TAC TCA CGC TCT GAT GCC GCC AAC CGC CTG CTG GAG  
 L A A R Y S R S D A A K R L L E>  
 1490 1500 1510 1520 1530  
 GCC AGC GCA GAT GCC AAC ATC CAG GAG AAC ATG GGC CGC ACC CCG CTG  
 A S A D A N I Q D N M G R T P L>  
 1540 1550 1560 1570 1580  
 CAT GCG GCT GTG TCT GCC GAC GCA CAA GGT GTC TTC CAG ATC CTG ATC  
 H A A V S A D A Q G V F Q I L I>  
 1590 1600 1610 1620 1630  
 CGG AAC CGA GCC ACA GAC CTG GAT GCC CGC ATG CAT GAT GGC ACG ACG  
 R N R A T D L D A R M H D G T D>  
 1640 1650 1660 1670 1680  
 CCA CTG ATC CTG GCT GCC CGC CTG GCC GTG GAG GGC ATG CTG GAG GAC  
 P L I L A A R L A V E G M L E D>  
 1690 1700 1710 1720  
 CTC ATC AAC TCA CAC GCC GAC GTC AAC GCC GTC GAT GAC CTG GGC AAC  
 L I N S H A D V N A V D D L G D>  
 1730 1740 1750 1760 1770  
 TCC GCC CTG CAC TGG GCC GCC GTG AAC AAC GTG GAT GCC GCA GTT  
 S A L H W A A V N H V D A A V>

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## FIG. 10 CONT'D

1780	1790	1800	1810	1820
GTG CTC CTG AAG AAC GGG CCT AAC AAA GAT ATG CAG AAC AAC AGG GAG V L K N G A N K D M Q N N R E>				
1830	1840	1850	1860	1870
GAG ACA CCC CTG TTT CTG GCC CCC CGG GAG GGC AGC TAC GAG ACC CCC E T P L F L A A R E G S Y E T N>				
1880	1890	1900	1910	1920
AAG GTG CTG CTG GAC CAC TTT GCC AAC CGG GAC ATC ACG GAT CAT ATG K V L L D H F A N R D I T D H M>				
1930	1940	1950	1960	
GAC CGC CTG CCG CGC GAC ATC GCA CAG GAG CGC ATG CAT CAC GAC ATC D R L P R D I A Q E R M H H D I>				
1970	1980	1990	2000	2010
GTG AGG CTG CTG GAC GAG TAC AAC CTG GTG CGC AGC CCG CAG CTG CAC V R L I D E Y N L V R S P Q L H>				
2020	2030	2040	2050	2060
GGA GCC CCG CTG GGG GGC ACG CCC ACC CTG TCG CCC CCG CTC TGC TCG G A P L G G T P T L S P P L C S>				
2070	2080	2090	2100	2110
CCC AAC GGC TAC CTG GGC AGC CTC AAG CCC GGC GTG CAG GGC AAG AAC P N G Y L G S L K P G V Q G K K>				
2120	2130	2140	2150	2160
GTC CGC AAG CCC AGC AGC AAA GGC CTG GCC TGT GGA AGC AAG GAG GCC V R K P S S K G L A C G S K E N>				
2170	2180	2190	2200	
AAG GAC CTC AAG GCA CGG AGG AAG AAG TCC CAG GAT GGC AAG GGC TGC K D L K A R R K K S Q D G K G C>				
2210	2220	2230	2240	2250
CTG CTG GAC AGC TCC GGC ATG CTC TCG CCC GTG GAC TCC CTG GAG TCA L L D S S G M L S P V D S L E S>				
2260	2270	2280	2290	2300
CCC CAT GCC TAC CTG TCA GAC GTG GCC TCG CCG CCA CTG CTG CCC TCC P H G Y L S D V A S P P L L P S>				
2310	2320	2330	2340	2350
CCG TTC CAG CAG TCT CCG TCC GTG CCC CTC AAC CAC CTG CCT GGG ATG P F Q Q S P S V F L N H L P G M>				
2360	2370	2380	2390	2400

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FIG. 10 CONT'D

CCC GAC ACC CAC CTG GGC ATC GGG CAC CTG AAC GTG GCG GCC AAG CCC  
 P D T H L G I G H L N V A A K P>

2410 2420 2430 2440

GAG ATG GCG GCG CTG GGT GGG GGC CCC GTG GCC TTT GAG ACT GGC  
 E M A A L G G G R L A F E T G>

2450 2460 2470 2480 2490

CCA CCT CGT CTC TCC CAC CTG CCT GTG GCC TCT GGC ACC AGC ACC GTC  
 P P R L S H L P V A S G T S T V>

2500 2510 2520 2530 2540

CTG GGC TCC AGC AGC GGA GGG GCC CTG AAT TTC ACT GTG GGC GGG TCC  
 L G S S S G G A L N F T V G G S>

2550 2560 2570 2580 2590

ACC AGT TTG AAT GGT CAA TGC GAG TGG CTG TCC CGG CTG CAG AGC GGC  
 T S L N G Q C E W L S R L Q S G>

2600 2610 2620 2630 2640

ATG GTG CCG AAC CAA TAC AAC CCT CTG CGG GGG AGT GTG GCA CCA GGC  
 M V P N Q Y N P L R G S V A P G>

2650 2660 2670 2680

CCC CTG AGC ACA CAG GCC CCC TCC CTG CAG CAT GGC ATG GAA GGC CCG  
 P L S T Q A P S L Q H G M V G P>

2690 2700 2710 2720 2730

CTG CAC AGT AGC CTT GCT GCC AGC GCC CTG TCC CAG ATG ATG AGC TAC  
 L H S S L A A S A L S Q M M S Y>

2740 2750 2760 2770 2780

CAG GGC CTG CCC AGC ACC CGG CTG GCC ACC CAG CCT CAC CTG GTG CAG  
 Q G L P S T R I A T Q P H L V Q>

2790 2800 2810 2820 2830

ACC CAG CAG GTG CAG CCA CAA AAC TTA CAG ATG CAG CAG CAG AAC CTG  
 T Q Q V Q P Q N L Q M Q Q Q N L>

2840 2850 2860 2870 2880

CAC CCA CCA AAC ATC CAC CAC CAG CAA ACC CTG CAG CCG CCA CCA CCA  
 Q P A H I Q O Q Q S L Q F P P P P>

2890 2900 2910 2920

CCA CCA CAG CCG CAC CTT GGC GTG AGC TCA GCA GCC AGC GGC CAC CTG  
 P P Q F H L G V S S A A S G H I>

2930 2940 2950 2960 2970

GCG CCG AGC TTC CTG AGT GCA GAG CCG AGC CAG GCA GAC GTG CAG CCA

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FIG. 10 CONT'D

## FIG. 11

C GAC GTC CAT GTC TTA GAT CTC CCT CCC CCA CAT CCC TCC Glu Val Asp Val Leu Asp Val Asn Val Arg Gly Pro Asp Gly Cys 1 5 10 15	46
AGC CCA TTC ATG TTC CCT TCT CTC CCA GCA GCG AGC TCA CAT TIC ACT The Pro Leu Ile Leu Ala Gln Leu Arg Gly Gly Ile, Ser Asp Asp Leu Ser 20 25 30	94
CAT CAA GAT GAA GAT GCA GCA TCT TCT CCT GAT AAC ATC AAC AAC GAC Asp Glu Asp Glu Asp Ala Glu Asp Ser Ser Ala Asn Ile Ile The Asp 35 40 45	142
TTC CTC TAC GAC CCT CCC AGC CTC CAG CCC TAC ACA GAC CCC ACT CCT Leu Val Tyr Glu Ala Ser Leu Glu Ala Glu The Asp Arg The Gly 50 55 60	190
GAC ATG CCC CTC CAC CTT CCA CCC TAC TCA CGG CCT GAT CCT CCC Glu Met Ala Leu Ile Leu Ala Ala Asp Tyr Ser Arg Ala Asp Ala Ala 65 70 75	230
AGC CCT CTC CTC GAT CCA CCT GCA GAT CCC ATT CCC GAC AAC ATC Lys Arg Leu Leu Asp Ala Gly Ala Asp Ala Asn Ala Glu Asp Asn Met 80 85 90 95	286
CCC CCC TCT CCA CTC CAT CCT CCA GTG CCA CCT GAT CCC CAA CCT CTC Gly Arg Cys Pro Leu Ile Ala Ala Val Ala Asp Ala Glu Gly Val 100 105 110	334
TTC CAC ATT CTC ATT CCC AAC CCA GCA ACT GAT CTA CAT CCC AGC ATC The Glu Ile Leu Ile Asp Asn Asp Val The Asp Leu Asp Ala Arg Met 115 120 125	382
ATT CAT CCT ACT ACA CCC CTC ATC CTC CCT CCC CCC CTC CCT CTC GAC Asn Asp Gly The The Pro Leu Ile Leu Ala Ala Arg Leu Ala Val Glu 130 135 140	430
CCA ATG GTG CCA GAA CTC AAC AAC TCC CAA CCC GAT GTG ATT CCA CTC Gly Met Val Ala Glu Leu Ile Asn Cys Glu Ala Asp Val Asn Ala Val 145 150 155	478
CAT GAC GAT GCA AAA TCT CCT CTT CAC TCC CCA CCT CCT GTC ATT ATT Asp Asp Ile Gly Lys Ser Ala Leu Ile Thr Ala Ala Val Asn Asn 160 165 170 175	526
GTC GAC GCA ACT CTT TTC TTG TTG AAA ATT CCC AAC GCA AAC ATC Val Glu Ala Thr Leu Leu Leu Lys Asn Gly Ala Asn Arg Asp Met 180 185 190	574
CAC GAC AAC GAA GAG ACA CCT CTC TTT CTC CCT CCC CCC AAC CCC Glu Asp Asn Lys Glu Glu The Pro Leu The Leu Ala Ala Asp Glu Gly 195 200 205	622
AGC ATT GAA GCA CCC AAC ATC CTC TTA GAC GAT TTT CCC ATT CCA GAC Ser Tyr Glu Ala Ala Lys Ile Leu Leu Asp Ile The Ala Asn Arg Asp 210 215 220	670
ATC ACA GAC CAT ATG GAT CCT CTT CCC CCC GAT GTG CCT CCC GAT CCC Ile The Asp Ile Met Asp Arg Leu Pro Arg Asp Val Asn Asp Arg Arg 225 230 235	718
AAC GAC GAT GAC ATT CTC CCC CTT CTC GAT GAA TAC ATT GIG AAC CCA Met Ile Ile Asp Ile Val Arg Leu Leu Asp Glu Tyr Asn Val The Pro 240 245 250 255	766

## FIG. II CONT'D

AGC CCT CCA CGC AAC GTC TTC ACT TCT CCT CTC TCA CCT GTC AAC TGT Ser Pro Pro Gly The Val Leu Thr Ser Ala Leu Ser Pro Val Ile Cys 260 265 270	014
GGG CGG AAC AGA TCT TTC CTC AGC CTC AAC GAG AAC CCA ATG CGG AAC Gly Pro Alan Arg Ser The Leu Ser Leu Lys Ile, Leu Ser Gly Lys 275 280 285	062
AGC TCT AGA CGG CCT ACT CGC AAC ATG ACC CCT ACT ACC CTC CCT Lys Ser Arg Arg Pro Ser Ala Lys Ser The Met Pro The Ser Leu Pro 290 295 300	910
AAC CTT CGG AAC GAG CCA AAC GAT CGG AAC CCT ACT AGC AGG AAC AAC Alan Leu Ala Lys Ala Lys Asp Ala Lys Gly Ser Arg Arg Lys Lys 305 310 315	950
TCT CTC ACT GAG AAC CTC CAA CCT GAG ACT TCA GTC ACT TTA TCC Ser Leu Ser Glu Lys Val Glu Leu Ser Glu Ser Ser Val The Leu Ser 320 325 330 335	1006
CCT CCT GAT TCC CTA GAA TCT CCT CAC ACC TAT CCT TCC GAG ACC AGA Pro Val Asp Ser Leu Glu Ser Pro Ile The Tyr Val Ser Asp The The 340 345 350	1054
TCC TCT CGA ATG ATT AGA TCC CCT CGG ATG TTA CAG CGG TCA CGG AAC Ser Ser Pro Met Ile The Ser Pro Gly Ile Leu Glu Ala Ser Pro Alan 355 360 365	1102
CCT ATG TTC CGG ACT CGC CGC CCT CCT CGG CCA GTC CAT CGG CGT Pro Met Leu Ala The Ala Ala Pro Pro Ala Pro Val Ile Ala Glu Ile 370 375 380	1150
CCA CTA TCT TCT AAC CTT CAT GAA ATG CAG CCT TTC CGA CAT CGG Ala Leu Ser The Ser Alan Leu His Glu Met Glu Pro Leu Ala His Cys 385 390 395	1198
CCC AGC ACT CTC CTT CGG TCA CGC AGC CAG TTG CTA TCC CAC CAC CGC Ala Ser The Val Leu Pro Ser Val Ser Glu Leu Leu Ser His His Ile 400 405 410 415	1246
ATT CTC TCT CGA CGC ACT CGC ACT CCT CGA AGC TIG ACT AGC CTC CAT Ile Val Ser Pro Gly Ser Ala Cys Ser Leu Ser Arg Leu Ile 420 425 430	1294
CCA CTC CGA CGC CCA CGA CAT TGG ATG AAC CGG ATG CAG CTC AAC CGC Pro Val Pro Val Pro Ala Asp Thr Met Alan Arg Met Glu Val Alan Glu 435 440 445	1342
AGC CAG TAC AAC GAG ATG TTT CCT ATG CTC CTC CCT CGG CCT GAG CGG The Glu Tyr Alan Glu Met The Glu Met Val Leu Ala Pro Ala Glu Cys 450 455 460	1390
AGC CAT CCT CGG ATA CCT CGG CAG AGC AGG CGA CCT CGG CGG AAC AAC The Ile The Pro Arg Glu Pro Leu Pro Pro Ile Val The The Glu Leu 465 470 475	1430
ATA AGC AGC CCT CGG CAG CGG CCC TTC CGG CCC ATT CTC ACT TIC CGC CTC Ile The The Pro Arg Glu Pro Leu Pro Pro Ile Val The The Glu Leu 480 485 490 495	1486
ATC CCT AAA CGC ACT ATT CGC CAA CGA CGG CCT CGG CCT CGC CGC CGC Ile Pro Lys Cys Ser Ile Ala Glu Pro Ala Cys Ala Pro Glu Pro Glu 500 505 510	1534
TCC AGC TCC CCT CGA CCT CTT CGG CGG CCT CGC ACC AGC TAC CGC Ser The Cys Pro Pro Ala Val Ala Cys Pro Leu Pro The Met Tyr Glu 515 520 525	1582
ATA CGA CGA ATG CGG CCT TIC CGG ACT CTC CCT TIC CGG ACT CGC ATG Ile Pro Glu Met Ala Arg Leu Pro Ser Val Ala The Pro The Ala Met 530 535 540	1630

## FIG. // CONT'D

ATG CCC CAG CAG CAG CAG CTC GCT CAG ACC ATT CTC CCA CCC TAT Met Pro Glu Glu Asp Gly Glu Val Ala Glu Thr Ile Leu Pro Ala Tyr 545 550 555	1678
CAT CCT TTC CCA CCC TCT CTC CCC AAC TAC CCC ACA CCC CCT TCA CAC His Pro Pro Ala Ser Val Glu Tyr Pro Thr Pro Pro Ser Glu 560 565 570 575	1726
CAC ACT TAT CCT TCC TCA AAC CCT CCT CAG CCA ACA CCC ACT CAC ACT His Ser Tyr Ala Ser Ser Asn Ala Ala Glu Arg Thr Pro Ser His Ser 580 585 590	1774
GCT CAC CTC CAG CCT GAG CAT CCC TAC CTG ACA CCA TCC CCA CAG TCT Gly His Leu Glu Glu His Pro Tyr Leu Thr Pro Ser Pro Glu Ser 595 600 605	1822
CCT GAC CAG TGG TCA ACT TCA CCC CAC TCT CCT CCT GAC TGG TCA Pro Asp Glu Thr Ser Ser Ser Pro His Ser Ala Ser Asp Thr Ser 610 615 620	1870
CAT CTG ACC ACC ACC CCT ACC CCT CGG CCT CCT GCA GCA GCT CAG CGG Asp Val Thr Thr Ser Pro Thr Pro Glu Glu Ala Glu Glu Glu Arg 625 630 635	1918
GCA CCT CGG ACA CAC ATG TCT GAG CCA CCA CAC AAC AAC ATG CAG GTC Gly Pro Gly Thr His Met Ser Glu Pro Pro His Asp Asp Met Glu Val 640 645 650 655	1966
TAT GCG TGTGAGTC CACCTCCAGT CTAGAGACAT AACTGACTTT TCTAAATGCT Tyr Ala	2022
GTCTGAGAAC AAATGAAAGT CATCCGGGAG AGAAATGAG AACATCTCTGG AGCCAGCTTC TAGAGGTAGG AAAGAGAGA TGTTCCTTATT CAGATAATGC AGAGAGAGCA ATTCCGTCAGT TTCACTGGCT ATCTGCAGG CTTATTGATT ATTCTAAATCT AAATAAGACAA CTTGTGGAA ATGCAAGATG AAATACAAAGCC TTGGGTCCAT CTTCATCTTC TTCTTATTTCG AGAAATAGAT GGATCCITAT TGAAAGCCCAG ACATTCCTTC AGCTTGGACT GCAATTAAAC CCCTGCAGGC TTCTGCCCATA TCCATGAGAA GATTCTACAC TAGGCTCTTC TTGGGAAATA TCCCCCTGGAA TTCTGCCCCTCA ATTGACCTAC GCATCTCTTC CTCCCTGGAC ATTCTTITGT CTTCATTTCC TCTTTTGCT TTTGCACCTC TCCCTGATTC TAGCCCTAAC AGCATCTTAT AGGGCAAGAC CTTGTGCTT TTGATCATTC TGGCCCATCA AAACAACTTT CCTCTCTTT CCCCTCTCT CTTCCCCGTA TCCCTTCCAG TCTCACAAAGC TTTACTTTCC TATGGTCTTC AGCACAAAGC TTTCAGCTAT CTTGTCTCTT TCCAAAGATGG ACATACTGTA TTGTGTCTTC CTGGCTATAT CATTCCTGCA GAGAGAAAGG GAGAGAAATA CTTTCTCTCA ACAAATTTTC CGGGCAGGAG ATCCCTCTCA GAGGCTGCA CTTAAATTTT CTTCTCTGTC TCCAGGTCTT CAAATAAATC TTACCAAGAA GAGGGCTGTC AGTTTGTGT TTTTCCTGTC ATGGCCCTTC TCAGTGTAAA CTTCTATCTT TGATACTCTA CTTACTAAGA CCCTCCCCAC TTTTTTAAAG CCAGAAAGAG CTTTCGAAAC TTGGAAATGAC CAAAGAGACAA CTTAACTCTT GCAAGAGCCA CTTACCCACC CACAGGTCTC CCTACTCTCT CCCTAACCTT CCATGACTC CCTGTATGCA AGCATTTGT CCCAAGATCTG AGCATTTCTAG CCCTGTTCA CTCACTAACG CACCAATCTA AACATCTT AACTGTGAG CGTTCCCTT CATAAGGACA GAGAGAGTC TGTCAAATCT TGAACTCTC 3162	2082 2142 2202 2262 2322 2382 2442 2502 2562 2622 2682 2742 2802 2862 2922 2982 3042 3102 3162

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## FIG. 11 CONT'D

CCATTTACCA CTGAACTTTC CTTACCCCAA CCCACCCCATG GACACTTCGTC TTTCGGTTGT	3222
CAGATGATCA GTCCTCTACTG ATTATCTTGC TGCCTTAAAGG CCTGGCTGACG AATCTTTCTT	3202
TCAACACCCCTG TGCTCGGTGT TACTGCTATA CCCACGATATGT TCCTACGCTAA GACATGGGACT	3342
TTTAAATGTTG AAGTCCAGCA ATTCGGAACT TGGACCTTGT TCTCTATGATC CAAAGAGGCC	3402
CTATAAGGAA CTTGGAAAGG GACGGAACTAT ATAGCCAGCCG TTGGCTTTTTT CTGGTACCCAT	3462
TTCTTTTCTC CTGAAGGGGC CAGACATTC CCTTGGGAA CTAACCTAGA AAGTCCAGC	3522
AACATTTTCC TTTCCTAGAG TCACCTTTTA GATGATAATG GACAACTATA GACTGGCTCA	3582
TGGTCAAGAC TGATGGCCCC TCACCTGAAAT CCCACTCTTG TATTCATGCT TTGGCCATT	3642
TCTTTGACTT TCTTTAAAGG CCAGAAGCAT TTGACTTAAAT TGTAGATAAA GAAATCTTT	3702
CTTCCCTTC TCCTTGGGGC AGTTAAATAT TGGTCAAGAC CTACACCTCA AATTCGGCTCC	3762
AAGTCTGTA TCCCCATGAC AACTCCAAAGA TAACTTCCTC CTCGGGATTT TGTAGATATT	3822
AACAGCTAA TTCCCCGACTC TTTGGTTTG AATGACAGTT CTCAATCTT CTATGGCTGC	3802
AAGTATGCACT CAGTGGCTTC CACTTACCTG ATTGTCTCTG CGGTGGCCCC AATATGGAAAC	3942
CCCTCCCTTC TCTTGGCTATA AATGTTTACA AATGGTTTTT TCAGCTCTAT CCCAAATTAT	4002
TCAACCCAA AAAATTTATA CTTCGCCCCCT GAGATAGCA GATTAAGTTT CTICATTCTC	4062
TCCTTTATC TCTCCATGTC GAAACATTCT CTCAAGCCCTG TTCAAGCTGT GCAAGCATTT	4122
TATCAATTCTA AATGGTGACT CTCTGGCCCTT CGACCCATTG ATTATTCACA GATGGGGAGA	4182
ACCTATCTGC AATGGACCCCTC ACCATCCCTCT GTGCAAGCACA GACACGGCAG CGACCCAGTC	4242
CGGATGGGCA TGACTTTCTT CCCCTG	4268

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FIG. 12 A-B

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નંબર	નામ	સ્થાન	સ્વામી	સ્વામીના નામ
૧૧૧-૧	શાહ મુખ્ય	શાહ મુખ્ય	શાહ	શાહ
૧૧૨	શાહ મુખ્ય	શાહ મુખ્ય	શાહ	શાહ
૧૧૩	શાહ મુખ્ય	શાહ મુખ્ય	શાહ	શાહ
૧૧૪	શાહ મુખ્ય	શાહ મુખ્ય	શાહ	શાહ
૧૧૫	શાહ મુખ્ય	શાહ મુખ્ય	શાહ	શાહ
૧૧૬	શાહ મુખ્ય	શાહ મુખ્ય	શાહ	શાહ
૧૧૭	શાહ મુખ્ય	શાહ મુખ્ય	શાહ	શાહ
૧૧૮	શાહ મુખ્ય	શાહ મુખ્ય	શાહ	શાહ
૧૧૯	શાહ મુખ્ય	શાહ મુખ્ય	શાહ	શાહ

PEST-containing Region

FIG. 12.8 CONT'D

FIG. 13

FIG. 13 cont'd

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FIG. 13 cont'd

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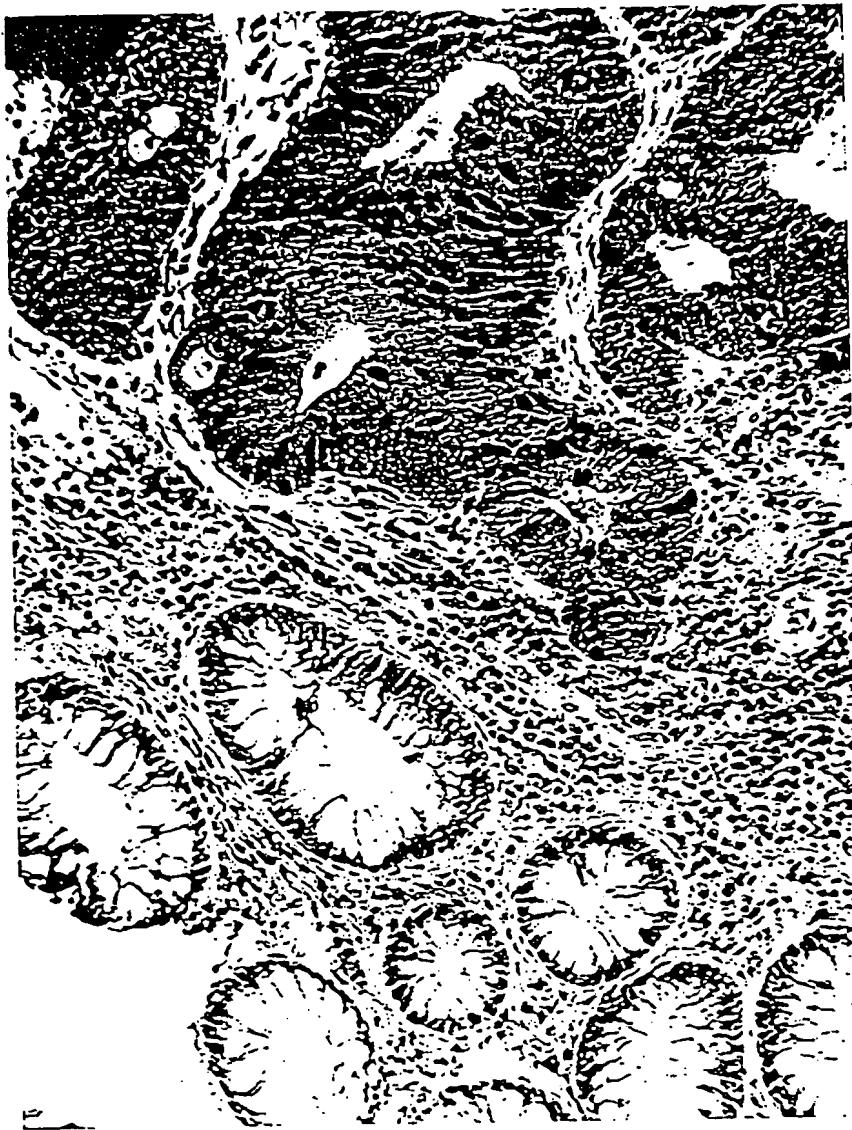
FIG.14



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FIG. 15A



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FIG. 15B



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FIG. 16A



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FIG. 16B

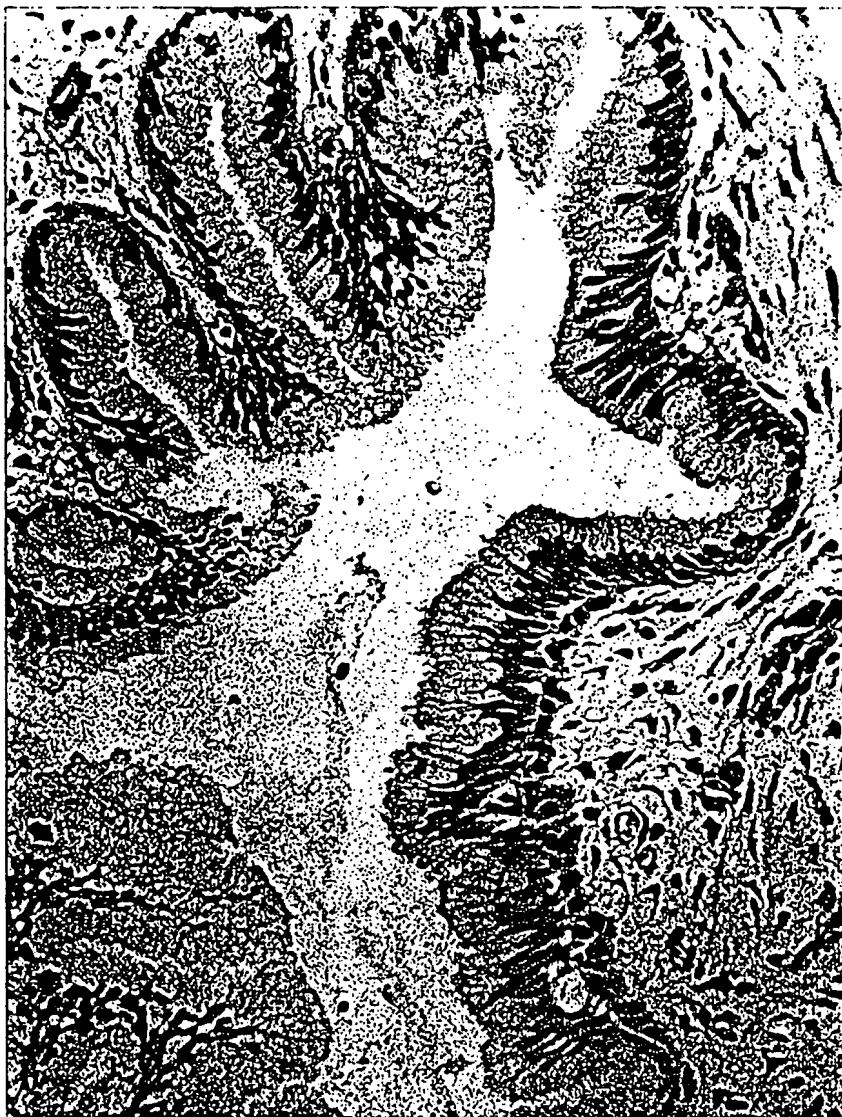


FIG. 17

## FIG. 17 CONT'D

820 \* 830 \* 840 \* 850 \* 860 \* 870 \* 880 \* 890 \* 900 \*  
 TGTCAAGATG GAGGGGTTG TGTGGATGG GTCACACATT ACACTGGCGC CTCCTCCCCA CAATGGACAG GACAGTTCCTG CACAGGGAT  
 C Q N G G V C V D G V N T Y N C R C P P Q W T G Q F C T E D>  
 910 \* 920 \* 930 \* 940 \* 950 \* 960 \* 970 \* 980 \* 990 \*  
 GGGATGAT GCCTGCTCA GCCCCATGCC TGTCAAAATG GGGGGCTCG TCCAAACCGC AATGGGGGT ATGGCTGTG ATGGTGTCAAC  
 V D E C L R Q P N A C Q N G G T C A N R N G G Y G C V C V N>  
 1000 \* 1010 \* 1020 \* 1030 \* 1040 \* 1050 \* 1060 \* 1070 \* 1080 \*  
 GCGTGGATG GAGATGACTG CAGTGGAGAC ATTGATGATT GTGCCCTGGC CTCCTGTRACT CCAGGCTCCA CCTGCACTGA CGGTGGCC  
 G W S G D D C S E N I D D C A F A S C T P G S T C I D R V A>  
 1090 \* 1100 \* 1110 \* 1120 \* 1130 \* 1140 \* 1150 \* 1160 \* 1170 \*  
 TCCCTCTCTT GCATGCTCC AGAGGGGAG GCAGGGTCC TGTGATCT GTGATGATCA AGGGTACAAA GGGCTGACT TGCATGAGCA ATCCTGCCA GAAGGGGCA  
 S F S C M C P E G K A G L I C H I D D A C I S N P C B K G A>  
 1180 \* 1190 \* 1200 \* 1210 \* 1220 \* 1230 \* 1240 \* 1250 \* 1260 \*  
 CTGTGTGACA CCAACCCCT AAATGGCAA TATATGGCA CCTGGCCACA AGGGTACAAA GGGCTGACT GGCACAGAAGA TGTGGATGAA  
 L C D T N P L N G Q Y I C T C P Q G Y K G A D C T E D V D E>  
 1270 \* 1280 \* 1290 \* 1300 \* 1310 \* 1320 \* 1330 \* 1340 \* 1350 \*  
 TGTGCCATGG CCAATAGCAA TCCTGTGAG CATGGAGGA AATGTGTGAA CACGGATGGC GCCTTCCACT GTGAGTGTCT GAAGGGTTAT  
 C A M A N S N P C E H A G R C V N T D G A F H C E C L K G Y>  
 1360 \* 1370 \* 1380 \* 1390 \* 1400 \* 1410 \* 1420 \* 1430 \* 1440 \*  
 GCAGGACCTC GTTGTGAGAT GGACATCAT GAGGGCATT CAGACCCCTG CCAGAGATGT CCTACTGTGC TGGATAAGAT TGGAGGCTTC  
 A G P R C E M D I N E C H S D P C Q N D A T C L D K T G G F>  
 1450 \* 1460 \* 1470 \* 1480 \* 1490 \* 1500 \* 1510 \* 1520 \* 1530 \*  
 ACATGCTGT GGTGCAAGG TTTCAAAGGT GTGCATGATGTA ATTGAAAT AAATGAAAT CAGACGACCC CTTGTGTGAA CAATGGGCAAG  
 T C L C M P G F K G V H C E L E I N E C Q S N P C V N N G Q>  
 1540 \* 1550 \* 1560 \* 1570 \* 1580 \* 1590 \* 1600 \* 1610 \* 1620 \*  
 TGTGGATA AAGTCATCG TTTCAGTCGC CTGGTGTCCCTC TGCGGTTAC TGGGGCAATTGTT GGCGGATTT TGCCGAGTT ATATTGATGA CTGGTCCAGT  
 C V D K V N R F Q C L C P P G F T G P V C Q I D I D C S S>

FIG. 17 CONT'D

1630	1640	1650	1660	1670	1680	1690	1700	1710
*	*	*	*	*	*	*	*	*
T P C L N G A R C I D H P N G Y E C Q C A T G F V L C E >	ACTCGTGTCA TGAATGGGG AAAGTGTATC GATCACCCGA ATGGTGTAGA ATGCGATGTT GGCACAGGGT TCACTGCTGT GTCGTGTGAG							
1720	1730	1740	1750	1760	1770	1780	1790	1800
*	*	*	*	*	*	*	*	*
E N I D N C D P D P C H H G Q C Q D G I D S Y T C F C N P G >	GAGAACATG AGAACTGTGA COCCGATCCT TCCACCCAG GTCAAGTGTCA GGATGTTATT GATTGTTATC CCTGGATCTG CAAATCCGGG							
1810	1820	1830	1840	1850	1860	1870	1880	1890
*	*	*	*	*	*	*	*	*
Y M G A I C S D Q I D E C Y S S P C L N D G R C I D L V N G >	TACATGGGG CCATCTGAG TGACCAAGATT GATGAATGTT ACAGGAGGCC TTAGCCCTAAC GATGGTGTCT GCATTGACCT GGTCATGGC							
1900	1910	1920	1930	1940	1950	1960	1970	1980
*	*	*	*	*	*	*	*	*
Y Q C N C Q P G T S G V N C E I N F D D C A S N P C I H G I >	TACCAAGTCCA ACTGCCAGGG AGGCACGTCA AGGGTTAATT GTGAATTAA TTTCATGAC TGTCGAAGTA ACCCTGTAT CCATGAAATC							
1990	2000	2010	2020	2030	2040	2050	2060	2070
*	*	*	*	*	*	*	*	*
C M D G I N R Y S C V C S P G F T G Q R C N I D I D E C A S >	TGTATGGATG GGATTAATCG CTACAGTTGTG ATCTGCTCAC CAGGATTCAAC AGGGAGAGA TGTAACATT ACATGATGA GTGCGCTCC							
2080	2090	2100	2110	2120	2130	2140	2150	2160
*	*	*	*	*	*	*	*	*
N P C R K G A T C I N G V N G F R C I C P E G P H H P S C Y >	AATCCCTGTC CCACGGGTGC AACATGATTC AACGGTGTGA ATGGTTTCGG CTGTATATGC COCGAGGGAC CCCATCACCC CAGCTGTAC							
2170	2180	2190	2200	2210	2220	2230	2240	2250
*	*	*	*	*	*	*	*	*
S Q V N E C L S N P C I H G N C T G G L S G Y K C L C D A G >	TCACAGTGTCA ACGAATGCTC GACCAATCCC TGCATCCATG GAAACTGTAC TGGAGTGTCTC AGTGGATATA AGTGTCTCTG TGATGCGAGC							
2260	2270	2280	2290	2300	2310	2320	2330	2340
*	*	*	*	*	*	*	*	*
W V G I N C E V D K N E C L S N P C Q N G G T C D N L V N G >	TGGGTGGCA TCAACTGTGA AGTGGCAAA AATGAATGCC TTTCGAATCC ATGCCAGAAT CGAGGAACAT GTGACAATCT GTGGAATGGA							
2350	2360	2370	2380	2390	2400	2410	2420	2430
*	*	*	*	*	*	*	*	*
Y R C T C K F G F K G Y N C Q V N I D E C A S N P C L N Q G >	TACAGGTGTAA CTTCGCAAGAA GGGCCTTAA GGCTATAACT GGCAAGGTGAA TATTGATGAA TGTGCGCTCAA ATCCATGCTT GAACCAAGGA							
2440	2450	2460	2470	2480	2490	2500	2510	2520

FIG. 17 CONT'D

FIG. 17 CONT'D

FIG. F7 cont'd

V	K	C	R	K	G	E	Q	C	V	H	T	A	S	G	P	R	C	F	C	P	S	P	R	D	C	E	S	G	C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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4870	*	4880	*	4890	*	4900	*	4910	*	4920	*	4930	*	4940	*	4950	*	4960	*	4970	*	4980	*	4990	*	5000	*	5010	*	5020	*	5030	*	5040	*	5050	*	5060	*	5070	*	5080	*	5090	*	5100	*	5110	*	5120	*	5130	*	5140	*	5150	*	5160	*	5170	*	5180	*	5190	*	5200	*	5210	*	5220	*	5230	*	5240	*	5250	*	5260	*	5270	*	5280	*	5290	*	5300	*	5310	*	5320	*	5330	*	5340	*	5350	*	5360	*	5370	*	5380	*	5390	*	5400	*	5410	*	5420	*	5430	*	5440	*	5450	*	5460	*	5470	*	5480	*	5490	*	5500	*	5510	*	5520	*	5530	*	5540	*	5550	*	5560	*	5570	*	5580	*	5590	*	5600	*	5610	*	5620	*	5630	*	5640	*	5650	*	5660	*	5670	*	5680	*	5690	*	5700	*	5710	*	5720	*	5730	*	5740	*	5750	*	5760	*	5770	*	5780	*	5790	*	5800	*	5810	*	5820	*	5830	*	5840	*	5850	*	5860	*	5870	*	5880	*	5890	*	5900	*	5910	*	5920	*	5930	*	5940	*	5950	*	5960	*	5970	*	5980	*	5990	*	6000	*	6010	*	6020	*	6030	*	6040	*	6050	*	6060	*	6070	*	6080	*	6090	*	6100	*	6110	*	6120	*	6130	*	6140	*	6150	*	6160	*	6170	*	6180	*	6190	*	6200	*	6210	*	6220	*	6230	*	6240	*	6250	*	6260	*	6270	*	6280	*	6290	*	6300	*	6310	*	6320	*	6330	*	6340	*	6350	*	6360	*	6370	*	6380	*	6390	*	6400	*	6410	*	6420	*	6430	*	6440	*	6450	*	6460	*	6470	*	6480	*	6490	*	6500	*	6510	*	6520	*	6530	*	6540	*	6550	*	6560	*	6570	*	6580	*	6590	*	6600	*	6610	*	6620	*	6630	*	6640	*	6650	*	6660	*	6670	*	6680	*	6690	*	6700	*	6710	*	6720	*	6730	*	6740	*	6750	*	6760	*	6770	*	6780	*	6790	*	6800	*	6810	*	6820	*	6830	*	6840	*	6850	*	6860	*	6870	*	6880	*	6890	*	6900	*	6910	*	6920	*	6930	*	6940	*	6950	*	6960	*	6970	*	6980	*	6990	*	7000	*	7010	*	7020	*	7030	*	7040	*	7050	*	7060	*	7070	*	7080	*	7090	*	7100	*	7110	*	7120	*	7130	*	7140	*	7150	*	7160	*	7170	*	7180	*	7190	*	7200	*	7210	*	7220	*	7230	*	7240	*	7250	*	7260	*	7270	*	7280	*	7290	*	7300	*	7310	*	7320	*	7330	*	7340	*	7350	*	7360	*	7370	*	7380	*	7390	*	7400	*	7410	*	7420	*	7430	*	7440	*	7450	*	7460	*	7470	*	7480	*	7490	*	7500	*	7510	*	7520	*	7530	*	7540	*	7550	*	7560	*	7570	*	7580	*	7590	*	7600	*	7610	*	7620	*	7630	*	7640	*	7650	*	7660	*	7670	*	7680	*	7690	*	7700	*	7710	*	7720	*	7730	*	7740	*	7750	*	7760	*	7770	*	7780	*	7790	*	7800	*	7810	*	7820	*	7830	*	7840	*	7850	*	7860	*	7870	*	7880	*	7890	*	7900	*	7910	*	7920	*	7930	*	7940	*	7950	*	7960	*	7970	*	7980	*	7990	*	8000	*	8010	*	8020	*	8030	*	8040	*	8050	*	8060	*	8070	*	8080	*	8090	*	8100	*	8110	*	8120	*	8130	*	8140	*	8150	*	8160	*	8170	*	8180	*	8190	*	8200	*	8210	*	8220	*	8230	*	8240	*	8250	*	8260	*	8270	*	8280	*	8290	*	8300	*	8310	*	8320	*	8330	*	8340	*	8350	*	8360	*	8370	*	8380	*	8390	*	8400	*	8410	*	8420	*	8430	*	8440	*	8450	*	8460	*	8470	*	8480	*	8490	*	8500	*	8510	*	8520	*	8530	*	8540	*	8550	*	8560	*	8570	*	8580	*	8590	*	8600	*	8610	*	8620	*	8630	*	8640	*	8650	*	8660	*	8670	*	8680	*	8690	*	8700	*	8710	*	8720	*	8730	*	8740	*	8750	*	8760	*	8770	*	8780	*	8790	*	8800	*	8810	*	8820	*	8830	*	8840	*	8850	*	8860	*	8870	*	8880	*	8890	*	8900	*	8910	*	8920	*	8930	*	8940	*	8950	*	8960	*	8970	*	8980	*	8990	*	9000	*	9010	*	9020	*	9030	*	9040	*	9050	*	9060	*	9070	*	9080	*	9090	*	9100	*	9110	*	9120	*	9130	*	9140	*	9150	*	9160	*	9170	*	9180	*	9190	*	9200	*	9210	*	9220	*	9230	*	9240	*	9250	*	9260	*	9270	*	9280	*	9290	*	9300	*	9310	*	9320	*	9330	*	9340	*	9350	*	9360	*	9370	*	9380	*	9390	*	9400	*	9410	*	9420	*	9430	*	9440	*	9450	*	9460	*	9470	*	9480	*	9490	*	9500	*	9510	*	9520	*	9530	*	9540	*	9550	*	9560	*	9570</

FIG. 17 CONT'D

4960	*	4970	*	4980	*	4990	*	5000	*	5010	*	5020	*	5030	*	5040	
L	L	A	S	H	A	T	Q	G	T	L	S	Y	P	L	V	S	T
5050	*	5060	*	5070	*	5080	*	5090	*	5100	*	5110	*	5120	*	5130	
L	Y	I.	L	A	V	A	V	V	I	I	L	F	I	I	L	G	
5140	*	5150	*	5160	*	5170	*	5180	*	5190	*	5200	*	5210	*	5220	
L	W	I.	P	E	G	F	T	L	R	R	A	S	N	H	K	R	
5230	*	5240	*	5250	*	5260	*	5270	*	5280	*	5290	*	5300	*	5310	
N	L	S	V	Q	V	S	E	A	N	L	I	G	T	G	T	S	
5320	*	5330	*	5340	*	5350	*	5360	*	5370	*	5380	*	5390	*	5400	
V	K	A	E	D	E	A	L	L	S	E	B	D	P	I	R	R	
5410	*	5420	*	5430	*	5440	*	5450	*	5460	*	5470	*	5480	*	5490	
I	R	R	T	P	S	L	A	L	T	P	P	Q	A	E	V	D	
5500	*	5510	*	5520	*	5530	*	5540	*	5550	*	5560	*	5570	*	5580	
C	T	P	L	M	L	A	S	L	R	G	G	S	S	D	L	S	
5590	*	5600	*	5610	*	5620	*	5630	*	5640	*	5650	*	5660	*	5670	
I	T	D	L	V	Y	Q	G	A	S	L	Q	A	Q	T	D	R	
5680	*	5690	*	5700	*	5710	*	5720	*	5730	*	5740	*	5750	*	5760	
R	A	D	A	A	K	R	L	L	D	A	G	A	D	A	N	A	

FIG. 17 CONT'D

5770	5780	5790	5800	*	5810	*	5820	*	5830	*	5840	*
A	A	Q	G	V	F	Q	I	L	I	R	N	R
A	D	A	Q	G	V	F	Q	I	R	V	T	D
5860	5870	5880	5890	*	5900	*	5910	*	5920	*	5930	*
I	L	A	A	R	L	A	V	E	G	M	V	A
S	A	L	H	W	A	A	V	N	N	V	E	A
F	E	T	P	L	F	L	A	R	E	G	S	Y
6040	6050	6060	6070	*	6080	*	6090	*	6100	*	6020	*
P	S	A	L	H	W	A	A	V	N	N	V	E
6130	6140	6150	6160	*	6170	*	6180	*	6190	*	6110	*
T	D	H	M	D	R	L	P	R	D	V	A	R
6220	6230	6240	6250	*	6260	*	6270	*	6280	*	6200	*
P	S	P	P	G	T	V	L	T	S	A	L	S
6310	6320	6330	6340	*	6350	*	6360	*	6370	*	6380	*
M	G	K	K	S	R	R	P	S	A	K	S	T
6400	6410	6420	6430	*	6440	*	6450	*	6460	*	6470	*
S	S	R	R	K	K	S	E	K	V	Q	L	S
6490	6500	6510	6520	*	6530	*	6540	*	6550	*	6560	*
A	Y	V	S	D	T	T	S	S	P	M	I	T
6580	6590	6600	6610	*	6620	*	6630	*	6640	*	6650	*

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FIG. 17 CONT'D

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FIG. 17 CONT'D

M	S	E	P	P	H	N	N	M	Q	V	Y	A			
7480	*	7490	7500	*	7510	*	7520	*	7530	*	7540	*	7550	*	7560
CTGAGGAA	*	ANTGAGGC	ATCCGGG	*	GAATGAGA	ATATCTGGA	GCAGCTCT	AGAGTAGGA	AGAGAAGAT	GTCTTATT	*	*	*	*	*
7570	*	7580	7590	*	7600	*	7610	*	7620	*	7630	*	7640	*	7650
AGATAATGCA	*	AGAGAAGCA	TTCGTAGT	TCACGGTA	TCTGCAAGC	TTATTGATA	TCTATCTA	ATAGACAAG	TTTGTGAAA	*	*	*	*	*	*
7660	*	7670	7680	*	7690	*	7700	*	7710	*	7720	*	7730	*	7740
TGCAAGATGA	*	ATACAAGCC	TGGTCCATG	TTTACTCTCT	TCTATTGGA	GAATAAGATG	GATGCTTATT	GAAGCCAGA	CATTCTGCA	*	*	*	*	*	*
7750	*	7760	7770	*	7780	*	7790	*	7800	*	7810	*	7820	*	7830
CCTTGGACTG	*	CATTAAAGC	CCTGGAGGT	TCTGCCATAT	CATGAGAG	ATTCTACAT	AGCGCTCTGT	TGGGATTAT	GCCCTGGAA	*	*	*	*	*	*
7840	*	7850	7860	*	7870	*	7880	*	7890	*	7900	*	7910	*	7920
TCTGCCCTGAA	*	TGACCTACG	CATCTCCCTC	TCCCTGGACA	TTCCTTTC	TTCAATTGGT	GCTTTCGTT	TTGACCTCT	CCGTGATTGT	*	*	*	*	*	*
7930	*	7940	7950	*	7960	*	7970	*	7980	*	7990	*	8000	*	8010
AGCCCTACCA	*	CCATGTTATA	GGCCAAGACC	TTTGTGCTT	TGATCATTCT	GGCCCATGAA	AGCAACATCTG	GTCTCCCTTC	CCCTCCGTG	*	*	*	*	*	*
8020	*	8030	8040	*	8050	*	8060	*	8070	*	8080	*	8090	*	8100
TTCCCGTAT	*	CCCTGGAGT	CTCAGCTGT	TTTCTTGGT	ATGGTCTCA	GCACAAACCT	TTCAAGATG	TTGTTCTTT	GGAAATTGGA	*	*	*	*	*	*
8110	*	8120	8130	*	8140	*	8150	*	8160	*	8170	*	8180	*	8190
CATACTGTAT	*	TGTTCTC	TGATATATC	ATTCTGGAG	AGAGAAGGG	AGAAGAAATAC	TTTCTTC	CAAATTGG	GGCCAGGAGA	*	*	*	*	*	*
8200	*	8210	8220	*	8230	*	8240	*	8250	*	8260	*	8270	*	8280
TCCCTTCAG	*	AGGCTCACC	TAAATTTC	TCTCTGTGT	GCAGGTCTTC	ATATAAATCT	TACAGGAAG	AAGGGTGTGA	TTTTGTTGTT	*	*	*	*	*	*
8290	*	8300	8310	*	8320	*	8330	*	8340	*	8350	*	8360	*	8370
TTTCCTGTA	*	TGGGCCGTT	CAGCTAAAG	TTTATCCTT	GATAGCTG	TTCTATGAC	CCTCCCACT	TTTTAAAC	CAGAAAAAGG	*	*	*	*	*	*
8380	*	8390	8400	*	8410	*	8420	*	8430	*	8440	*	8450	*	8460
TTTGAATGT	*	TGGAATGACC	AAGGACAAG	TTAATCTGTT	CAAGGCCAG	TTACCCACCC	ACAGGCCAG	CTACTCCG	CCAAGGATTC	*	*	*	*	*	*

## FIG. 17 CONT'D

8470	8480	8490	8500	8510	8520	8530	8540	8550
*	*	*	*	*	*	*	*	*
CATTGACTGC	CTGTATGGAA	CACATTGTC	CCAGATCTGA	GCATTCTGG	CCTGTTTCAC	TCACCTCCCC	AGCATATGAA	ACTAGTCITA
8560	8570	8580	8590	8600	8610	8620	8630	8640
*	*	*	*	*	*	*	*	*
ACTGTTGAGC	CTTTCTTT	ATATCCACAG	AAGACACTGT	CTCAAATGTT	GTACCCCTGC	CATTAGGAC	TGAACTTCC	TTAGCCCAAG
8650	8660	8670	8680	8690	8700	8710	8720	8730
*	*	*	*	*	*	*	*	*
GGACCCAGTG	ACAGTTGCT	TCGCTTGTCA	ACATGATCAG	TCTCTACTGA	TTATCTTGT	GCTTAAAGGC	CTGCTACCA	ATCTTCTT
8740	8750	8760	8770	8780	8790	8800	8810	8820
*	*	*	*	*	*	*	*	*
CACACCGGTG	GGTCCGGTT	ACTGTATAC	CGAGTATGT	CTCAGTGAAG	ACATGAGCTT	TATATGTCGA	ATGCAAGAA	TTGGAAGCT
8830	8840	8850	8860	8870	8880	8890	8900	8910
*	*	*	*	*	*	*	*	*
GGACTCTTT	TCTATGATCC	AAAACAGCCC	TATAAGAACG	TTCGAAAGG	AGGAACATA	TAGCAGCCT	TGCTTATTC	TGCTTACATT
8920	8930	8940	8950	8960	8970	8980	8990	9000
*	*	*	*	*	*	*	*	*
TCTTTCCTC	TGAAGCCGCC	ATGACATTCC	CTTGGCAAC	TAACGTGAA	ACTCAACAGA	ACATTTTCT	TTCCTAGAGT	CACCTTTAG
9010	9020	9030	9040	9050	9060	9070	9080	9090
*	*	*	*	*	*	*	*	*
ATGATAATGG	ACRACTATAG	ACTTGGCAT	TGTTTCAACT	GATTGCCCT	CACCTGAATC	CACTCTCT	ATTCTGCTC	TGCGCAATT
9100	9110	9120	9130	9140	9150	9160	9170	9180
*	*	*	*	*	*	*	*	*
CTTGTACCTT	CTTTTAAGGG	CAGAAGCTT	TTAGTTTATT	GTAGTAAAG	AATAGTTTC	TCCCTCTCT	CCTTGGCCCA	GTAAATAATT
9190	9200	9210	9220	9230	9240	9250	9260	9270
*	*	*	*	*	*	*	*	*
GGTCCATGGC	TACACTGCAA	CTTCGGCTCA	GTGCCGTGAT	GCCCGATACA	CCTGGAAAT	AAGTCTGCC	TGGGCAATT	GTAGATATA
9280	9290	9300	9310	9320	9330	9340	9350	9360
*	*	*	*	*	*	*	*	*
ACAGGTGAAT	TCCCGACTCT	TTGGTTTGA	ATGACAGTC	TCATTCCCTC	TATGGCTGA	AGTATGATC	AGTGCTTCCC	ACTTACCTGA
9370	9380	9390	9400	9410	9420	9430	9440	9450
*	*	*	*	*	*	*	*	*
TTTGTCTGTC	GGTGGCCCCA	TATGGAAACC	CTGGGTGTCT	GTGGGCTAA	TAGTTACAA	ATGGTTTT	CAGTCCTATC	CAAATTATT
9460	9470	9480	9490	9500	9510	9520	9530	9540

## FIG. 17 CONT'D

\* AAATTAATTAC TTCTGCCCTG AGATAAGCGAG  
9550 9560 9570 9580 9590 \* 9600 \* 9610 \* 9620 \* 9630  
\* TCAGGCTCTT TCATAGGTGT CAAACATTT ATCATTCTAA ATGGTGACTC TCTGCCCTG GACCCATTAA TTAATTACAG ATGGGAGAA  
9640 9650 9660 9670 9680 \* 9690 \* 9700 \* 9710 \* 9720 \*  
\* CCTATCTGCA TGGACCTCA CCATTCCTCTG TCGAGCACAC ACAGTGCAAG GAGCCAGCTG CGATGGCAT GACTTCTTC CCCCTGGAAAT  
TCC